

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

P.O. Box 17675, Salt Lake City, UT 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NE/4 SE/4 Section 34, 660' FEL & 1980' FSL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 12 miles southwest of Woodruff, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

14,500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6730'

Top of Hub

22. APPROX. DATE WORK WILL START*

When approved

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	-	60'	Surface
17½"	13-3/8" K55 ST&C	54.5#	1300'	Circ.
17½"	13-3/8" K55 ST&C	68#	2500'	Circ.
12¼"	9-5/8" SS95LT&C	43.5#	80'	*
12¼"	9-5/8" K55 LT&C	40#	4560'	*
12¼"	9-5/8" SS95LT&C	40#	7000'	*
12¼"	9-5/8" SS95LT&C	43.5#	7800'	*
8-3/4"	7" SS95LT&C	32#	80'	*
8-3/4"	7" SS95LT&C	26#	2080'	*
8-3/4"	7" SS95LT&C	23#	8420'	*
8-3/4"	7" SS95LT&C	26#	11,660'	*
8-3/4"	7" SS95LT&C	29#	13,960'	*
8-3/4"	7" SS95LT&C	32#	14,500'	*

* As determined from logs

Subject well will be drilled in accordance with Rule C-3, General Rules & Regulations

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Original Signed By

SIGNED

G. W. CHAPMAN

TITLE

Administrative Supervisor

DATE

1/29/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 2-19-81

BY: M. J. Munder

Attachment To Form 9-331 C

LOUISIANA LAND & EXPLORATION FEDERAL #1-34

1) Geologic name of the surface formation: Tertiary

2) Estimated tops of geological markers:

<u>Marker</u>	<u>Depth</u>
Twin Creek	500'
Nugget	2382'
Ankareh	3600'
Thaynes	5000'
Woodside	6940'
Dinwoody	7670'
Phosphoria	8000'
Wells	8600'
Madison	9600'
Three Forks <i>Dw</i>	11,600'
Big Horn	12,100'
Gallatin	13,660'
Crawford Thrust	14,000'

3) Estimated depths anticipated to encounter water, oil, gas or other mineral bearing formations:

See Item #2, above

4) Casing Program: See Form 9-331 C Item #23

5) Operators minimum specifications for pressure control equipment are explained on attached schematic diagram. Testing of such is to be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out, BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

6) Mud Program:

<u>App. Interval</u>	<u>Type Mud</u>	<u>Wt. #/Gal</u>	<u>Viscosity</u>	<u>W.L. CC/30M</u>
0-2300'	Native	8.3-8.5	As required	NC
2,300'-7500'	LSND	8.7-8.9	32-38	Less than 20
7,500'-14,500'	LSND	8.7-8.9	32-38	Less than 20

7) Auxiliary Equipment:

Kelly cock: floor sub with a full opening valve.
3" choke manifold with remote control choke

8) Testing Program:

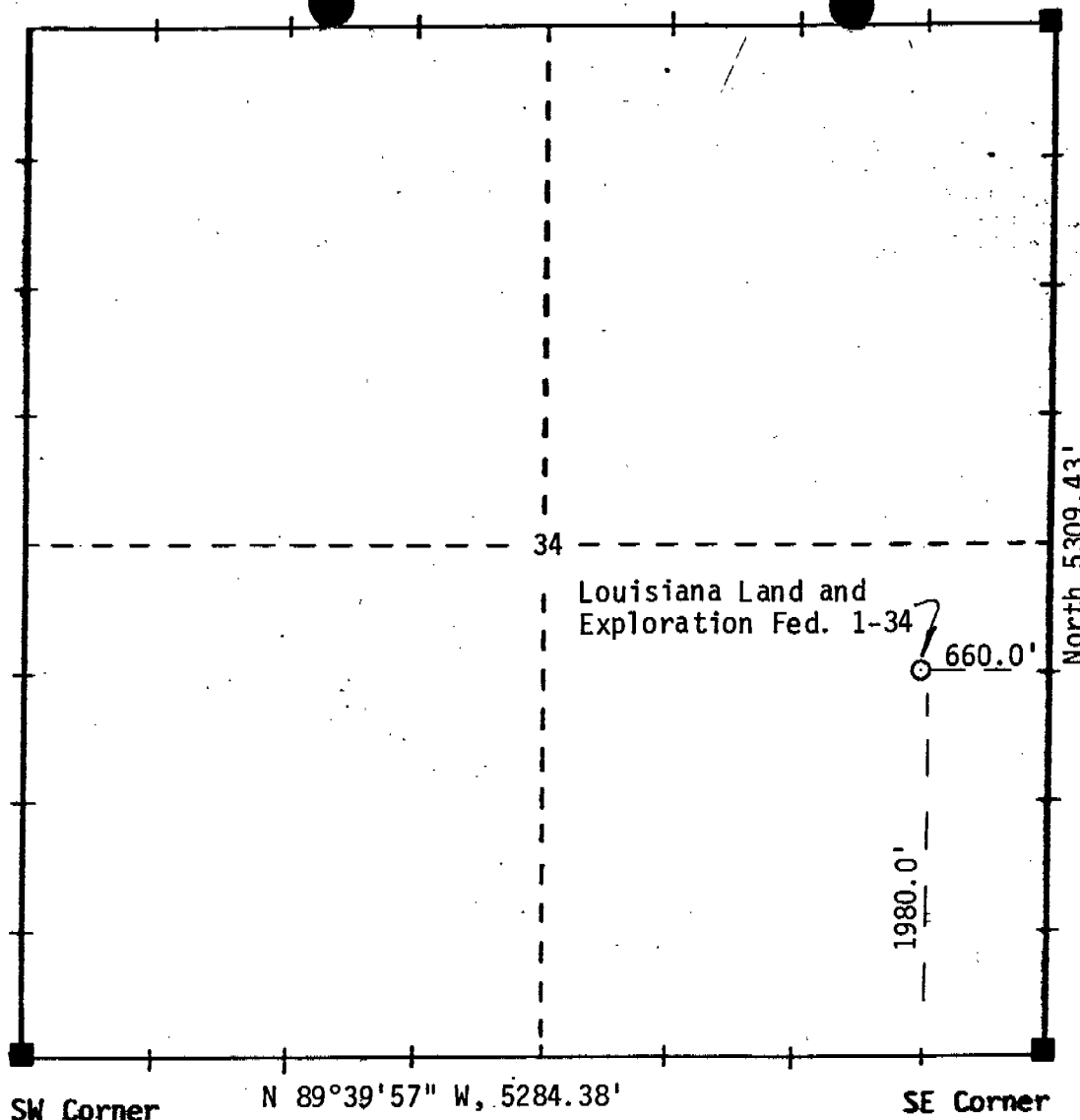
2 Man mud logger unit w/H₂S sniffer SFC-TD
DST's probable in Thaynes, Dinwoody, Phosphoria, Wells, Madison, Three Forks & Bighorn

NW Corner

T 8 N

R 6 E

NE Corner



SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

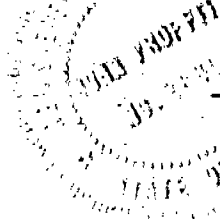
SW Corner

N 89°39'57" W, 5284.38'

SE Corner

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Reed Smith of Evanston, Wyoming for Amoco Production Company I made a survey on the 30th day of December, 1980 for Location and Elevation of the Louisiana Land and Exploration Federal 1-34 Well as shown on the above map, the wellsite is in the NE 1/4 SE 1/4 of Section 34, Township 8N, Range 6E of the S.L. B & M, Rich County, State of Utah. Elevation is 6730 Feet Top Of Hub Datum USGS Quad - Neponset Reservoir NW, Utah, Southeast Corner Sec. 34, T 8 N, R 6 E, Elevation 6714

Reference point	North 300'	Top of Rebar	Elevation 6720.2'
Reference point	North 400'	Top of Rebar	Elevation 6716.1'
Reference point	East 300'	Top of Rebar	Elevation 6710.0'
Reference point	East 400'	Top of Rebar	Elevation 6709.0'



John A. Proffit 12/31/80
John A. Proffit R.L.S. NO. 2860

DATE: December 31, 1980
JOB NO.: 80-10-80

UINTA ENGINEERING & SURVEYING, INC.
808 MAIN STREET, EVANSTON, WYOMING
Exhibit A

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660'

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14,500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6730'

Top of Hub

22. APPROX. DATE WORK WILL START*

When approved

23.

PROPOSED CASING AND CEMENTING PROGRAM

SETTING DEPTH	QUANTITY OF CEMENT
60'	Surface
1300'	Circ.
2500'	Circ.
80'	*
4560'	*
7000'	*
7800'	*
80'	*
2080'	*
8420'	*
11,660'	*
13,960'	*
14,500'	*

in accordance with Rule C-3, General Rules & Regulations

or plug back, give data on present productive zone and proposed new productive
data on subsurface locations and measured and true vertical depths. Give blowout

Administrative Supervisor DATE 1/29/81

APPROVAL DATE

DATE

Amoco 1-34 LLE

Thaynes

perf. 7914'-35' no show

CIBP 7760

perf 7650'-7740' - 97 bbls new

Aqueered perfs 7630'-31' #20.

Retainer @ 7600

Squeered w/ 200 SKS

@ 7631'

perf 7472'-7560

Aadried

REC. 112 bbls new water

Cmt retainer 7070

Squeered/200 SKS

perf 6976'-7000'

6916-6956'

6878'-6902

Aad - water prod

Cmt ret @ 6800'

Aqueered/200 SKS

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Original Signed By

G. W. CHAPMAN

SIGNED

TITLE

Administrative Supervisor

DATE

1/29/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Logging Program:

<u>Type</u>	<u>Depth Interval</u>
DIL-SFL	BSC-TD
Sonic-GR	O-TD
FDC-CNL-GR	BSC-TD
HDT (Dipmeter)	BSC-TD
FIL	BSC-TD
Sonic Amplitude Log	O-TD
Cyber Dip	BSC-TD

Coring Program:

One 60' full diameter core in each of the Wells, Madison & Bighorn

Stimulation Program:

To be recommended by District office and approved by Division office.

- 9) No abnormal temperatures or pressures are anticipated. H₂S is possible from Dinwoody to TD. H₂S Contingency Plan is attached.
- 10) Anticipated starting date will be when approved and the duration of the operations will be approximately 180 days.

NTL - 6 REGULATIONS

13 Point Program

Louisiana Land & Exploration Federal #1-34

1. EXISTING ROADS - A legible map showing:

- A. Proposed well site as staked: See Exhibit A
- B. Route and distance from nearest town or locatable reference to where well access route leaves main road: See Exhibit B
- C. Access road(s) to location color-coded or labeled: See Exhibit B
- D. If exploratory well, all existing roads within a 3-mile radius of well site: See Exhibit C
- E. If development well, all existing roads within a 1-mile radius of well site: N/A
- F. Plans for improvement and/or maintenance of existing roads: Roads will be graded and maintained to prevent erosion, no major work is planned.

2. PLANNED ACCESS ROADS:

- (1) Width: Crowned 18'-20' running surface; total width including barrow ditches approximately 32'
- (2) Maximum Grade: 6%
- (3) Turnouts: None planned
- (4) Drainage Design: Natural bar ditches adjacent to road
- (5) Location and size of culverts, location if any major cuts or fills: None planned
- (6) Surfacing material: Native soil
- (7) Gates, cattle guards, fence cuts,: None planned
- (8) Center line stake for new or reconstructed access: Centerline flagging is in place.

3. LOCATION OF EXISTING WELLS, 2-mile radius if exploratory:

- (1) Water wells: None
- (2) Abandoned wells: Champlin 472 Amoco "A" #1, NW/4 Section 9, T7N-R6E
- (3) Temporarily abandoned wells: None
- (4) Disposal wells: None
- (5) Drilling wells: None
- (6) Producing wells: None
- (7) Shut-In wells: None
- (8) Injection wells: None
- (9) Monitoring or observation wells for other resources: None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. Lessee operated/owned facilities within 1-mile radius:
 - (1) Tank batteries: None
 - (2) Production facilities: None
 - (3) Oil gathering lines: None
 - (4) Gas gathering lines: None
 - (5) Injection lines: None
 - (6) Disposal lines: None
(buried or surface)

- B. New lessee operated/owned facilities in the event of production:
 - (1) Proposed location of lines: Permanent production line locations unknown at this time.
 - (2) Dimension of Facilities: See Exhibit D
 - (3) Construction methods and materials: OSHA and Amoco approved construction methods will be observed. Use of foreign materials not anticipated.
 - (4) Protective measures and devices to protect livestock and wildlife: Pits will be covered and fenced until dry, then filled.
 - C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed: Areas no longer needed will be leveled, recontoured, and reseeded per Bureau of Land Management specifications.
5. LOCATION AND TYPE OF WATER SUPPLY:
- A. Location and type by map or description: Water well
 - B. Transportation - map if pipeline: N/A
 - C. Water well: NE/4 SE/4 Section 34, T8N-R6E
6. SOURCE OF CONSTRUCTION MATERIALS:
- A. Location by map or description: Construction materials will be obtained from the disturbed areas.
 - B. Federal or Indian land ownership: Section 34, T8N-R6E is federally owned
 - C. Construction material obtained and used: Should it be necessary to obtain any foreign material, such as sand or gravel, said materials will be obtained from private sources.
 - D. Access road on Federal or Indian land to construction material source: None
7. METHODS FOR HANDLING WASTE DISPOSAL:
- (1) Cuttings: to be contained in the reserve pit
 - (2) Drilling fluids: to be contained in the reserve pit
 - (3) Produced fluids, oil and water: to be contained in the reserve pit until clean-up, then skimmed or burned as the situation dictates
 - (4) Sewage: contained in a pit and immediately backfilled
 - (5) Garbage and other waste: contained in a wire meshed burn basket and burned or buried
 - (6) Clean up after rig removal: the surface of the drill pad will be graded. The "mouse" and "rat" holes, sewage, burn pits will all be filled as soon as possible, the reserve pit will be fenced on all four sides until dry, then filled, recontoured and seeded.
8. AUXILIARY FACILITIES - camps and/or airstrips:
- None
9. WELL SITE LAYOUT:
- (1) Drill pad cross section: See Exhibit E
 - (2) Location of mud tanks, reserve pit, burn and trash pit, pipe racks, living facilities, top soil stock pile: See Exhibits D & E

- (3) Rig orientation, parking and access roads: See Exhibits B & E
- (4) Pits: all pits will be unlined

10. PLANS FOR RESTORATION OF SURFACE:

- (1) All pits and holes will be filled after rig removed except the reserve pit which will be fenced on all four sides. Waste items will be burned or buried.
- (2) Revegetation and rehabilitation of location and access roads will be handled per BLM specifications.
- (3) Pits will be fenced per stipulations during drilling operations and after rig release.
- (4) Reserve pit oil will be removed, burned or the pit flagged as necessary.
- (5) Rehabilitation procedures will be commenced as soon as practical after rig removal, weather permitting and BLM specifications.

11. OTHER INFORMATION:

- (1) General description of surface: Sandy, clay soil with vegetation consisting of light sage brush and grass.
- (2) Surface use and surface ownership: USA is surface owner & use is for grazing.
- (3) Proximity of water, occupied dwellings, archeological, historical, or cultural sites: No occupied dwellings, archeological, historical or cultural sites have been observed during the archeological report. A copy of said report is attached.

- 12. Representative for Amoco Production Company is: V.J. Sheppard
P.O. Box 17675, Salt Lake City, Utah 84117, telephone (801) 272-9253.

- 13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by:

Amoco Production Company and it's contractors and sub-contractors in conformity with this plan, and the terms and conditions under which it is approved.

Date: 2/5/81

Name and Title: _____

Original Signed By
W R. HALVORSON

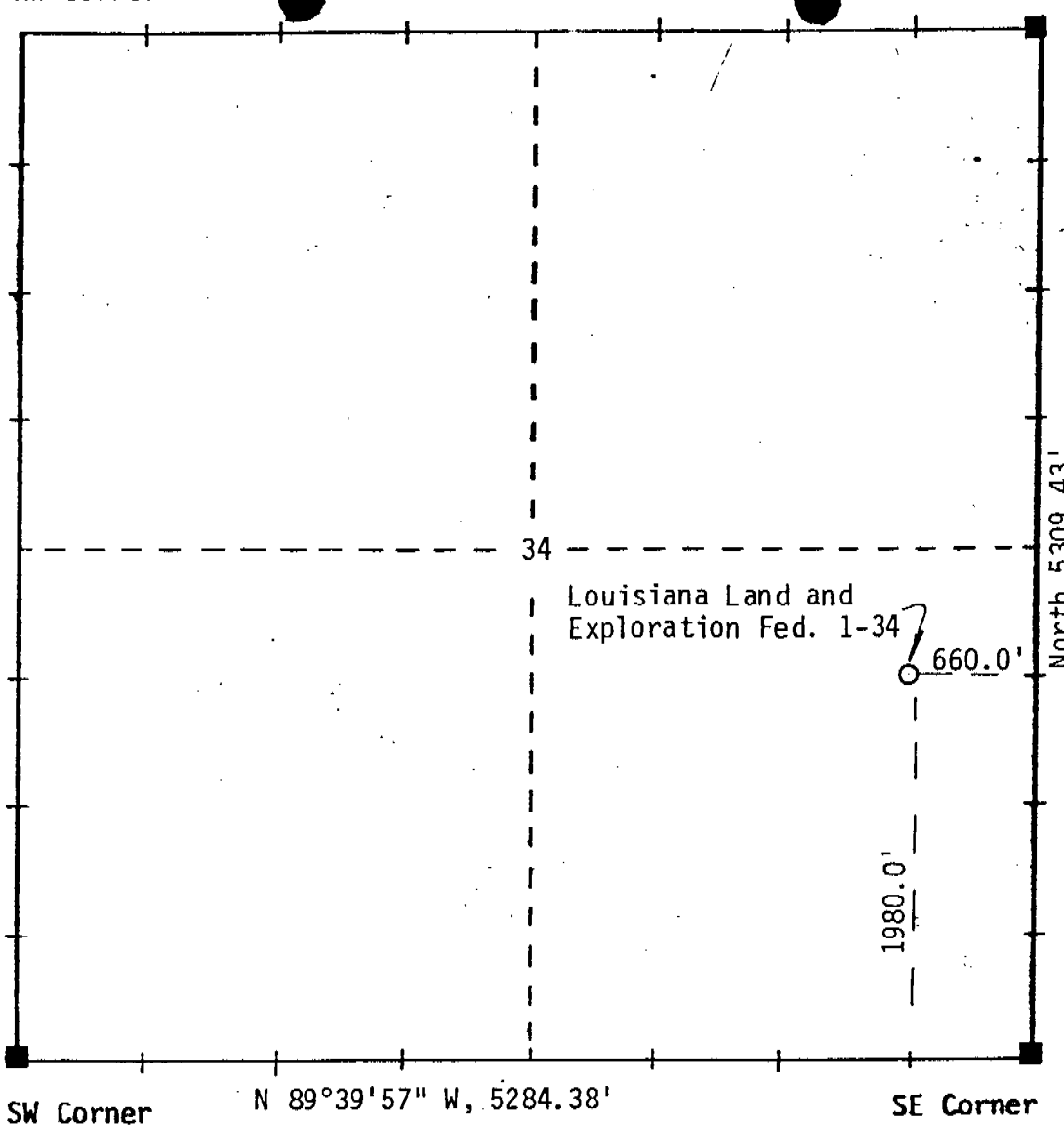
Drilling Supervisor

NW Corner

T 8 N

R 6 E

NE Corner

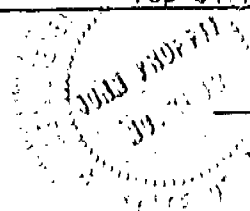


SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Reed Smith of Evanston, Wyoming for Amoco Production Company I made a survey on the 30th day of December, 1980 for Louisiana Land and Exploration Location and Elevation of the Federal 1-34 Well as shown on the above map, the wellsite is in the NE 1/4 SE 1/4 of Section 34, Township 8N, Range 6E of the S.L. B & M, Rich County, State of Utah. Elevation is 6730 Feet Top Of Hub Datum USGS Quad - Neponset Reservoir NW, Utah, Southeast Corner Sec. 34, T 8 N, R 6 E, Elevation 6714

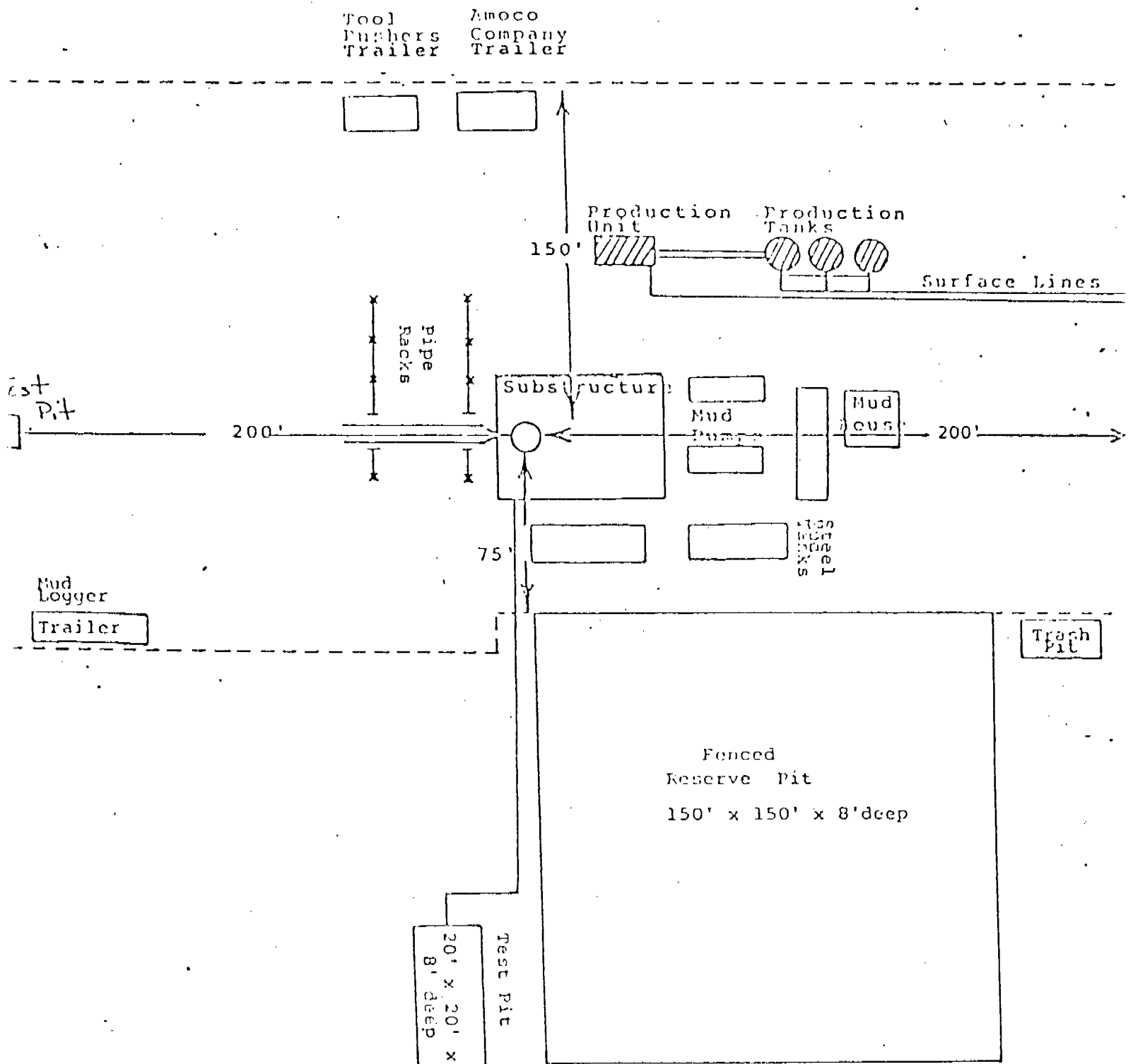
Reference point	North 300'	Top of Rebar	Elevation 6720.2'
Reference point	North 400'	Top of Rebar	Elevation 6716.1'
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John A. Proffit 12/31/80
John A. Proffit R.L.S. NO. 2860

DATE: December 31, 1980
JOB NO.: 80-10-80

UINTA ENGINEERING & SURVEYING, INC.
808 MAIN STREET, EVANSTON, WYOMING
Exhibit A



⊗ = Shows permanent production equipment to be installed after drilling rig has moved out

--- Dotted lines indicated perimeter of leveled location.

The fenced pit used for production will be covered if any fluid is present. The drill and production pads will be constructed with dozers and graders using native material

TYPICAL
LOCATION
LAYOUT

AMOCO PRODUCTION COMPANY
P. O. Box 17675
SALT LAKE CITY, UTAH 84117

EXHIBIT
D

EXHIBIT BOP-5000
MINIMUM BLOW-OUT PREVENTER REQUIREMENTS
5,000 psi W.P.

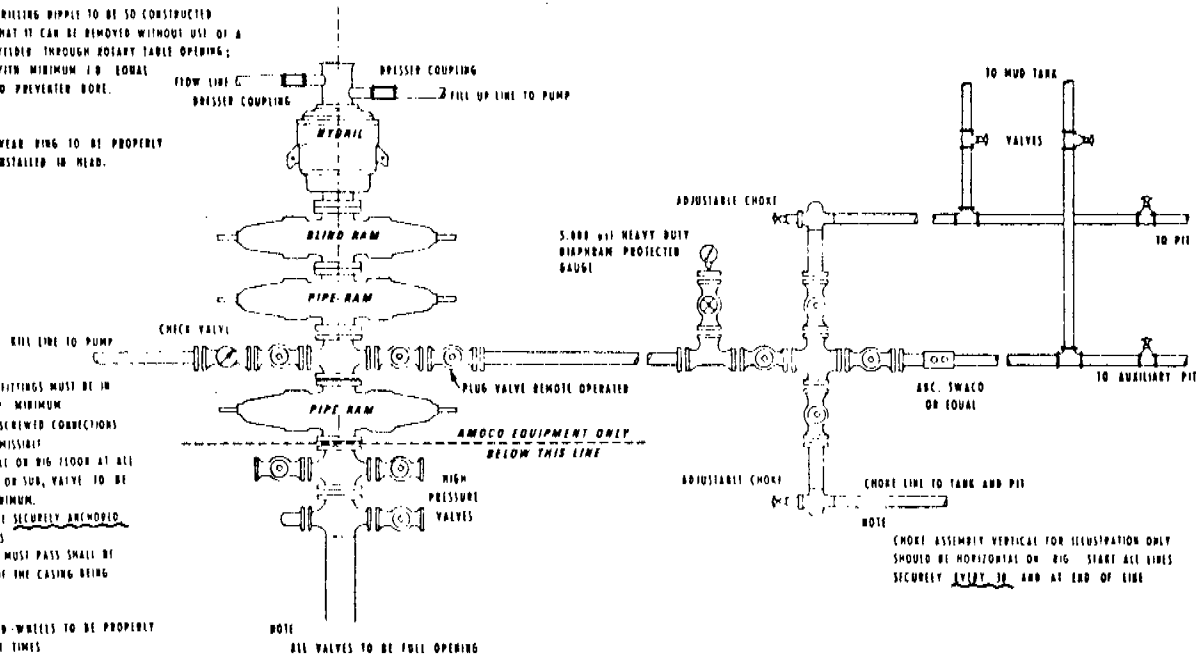
NOTE

1 DRILLING DIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER THROUGH ROTARY TABLE OPENING; WITH MINIMUM 10 TONAL TO PREVENTED BORE.

2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.

NOTE

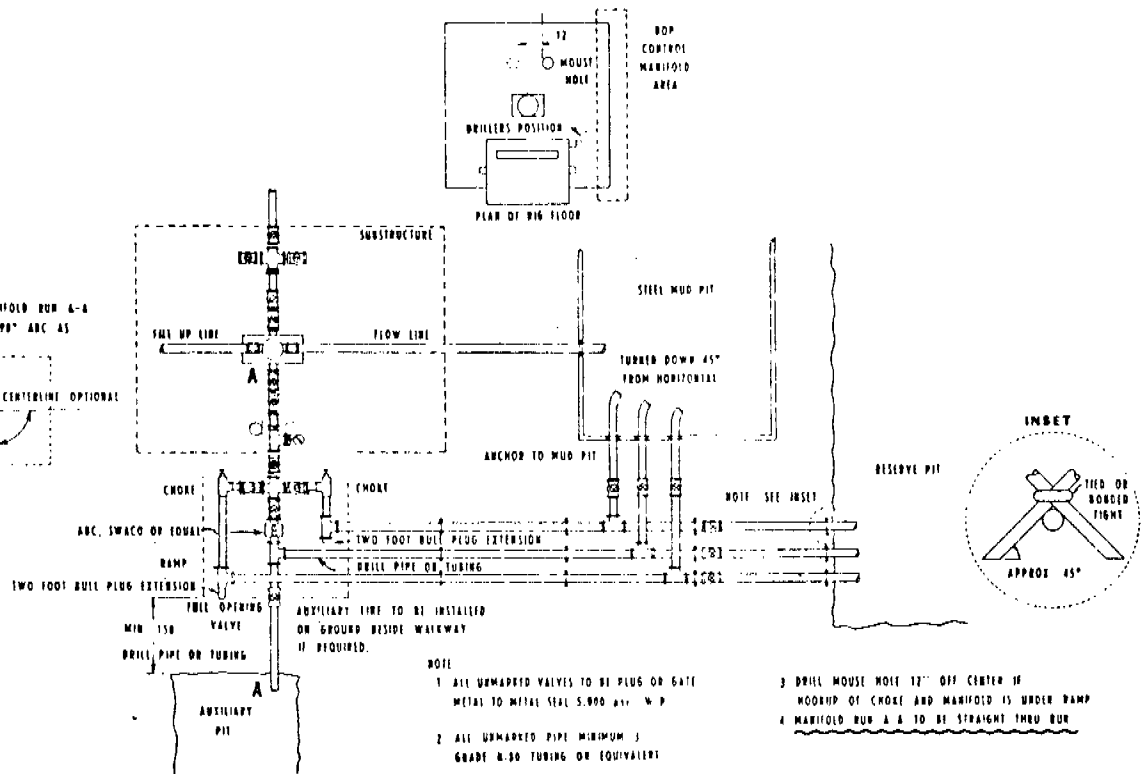
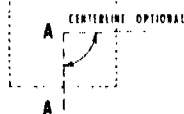
- 1 BLOW-OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 psi W.P. MINIMUM
 - 2 ALL FITTINGS TO BE FLAGGED. SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE
 - 3 SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB. VALVE TO BE FULL BORE 5,000 psi W.P. MINIMUM.
 - 4 ALL CHOKES AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY THOSE OF CHOKES LINES
 - 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH
 - 6 KELLY COCK OR KELLY
 - 7 EXTENSION WRENCHES AND HARD WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES
 - 8 RIG FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE
 - 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 50 GALLON ACCUMULATOR TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION.
- AND MEET ALL IADC SPECIFICATIONS



NOTE
CHOKES ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY SHOULD BE HORIZONTAL ON RIG. START ALL LINES SECURELY AT PIT AND AT END OF LINE

NOTE

DIRECTION OF MANIFOLD RUN A-A OPTIONAL WITHIN 90° ARC AS SHOWN BELOW



NOTE

- 1 ALL UNMARKED VALVES TO BE PLUG OR GATE METAL TO METAL SEAL 5,000 psi W.P.
- 2 ALL UNMARKED PIPE MINIMUM 3 GRADE N-80 TUBING OR EQUIVALENT

- 3 DRILL MOUSE HOLE 12" OFF CENTER IN HOODTOP OF CHOKES AND MANIFOLD IS UNDER RAMP
- 4 MANIFOLD RUN A-A TO BE STRAIGHT THRU RUN

Amoco Production Company
STANDARD ASSEMBLY FOR FLUID
OPERATED TRIPLE BLOW OUT PREVENTER
5,000 psi W.P.

EXPLORATION I-34

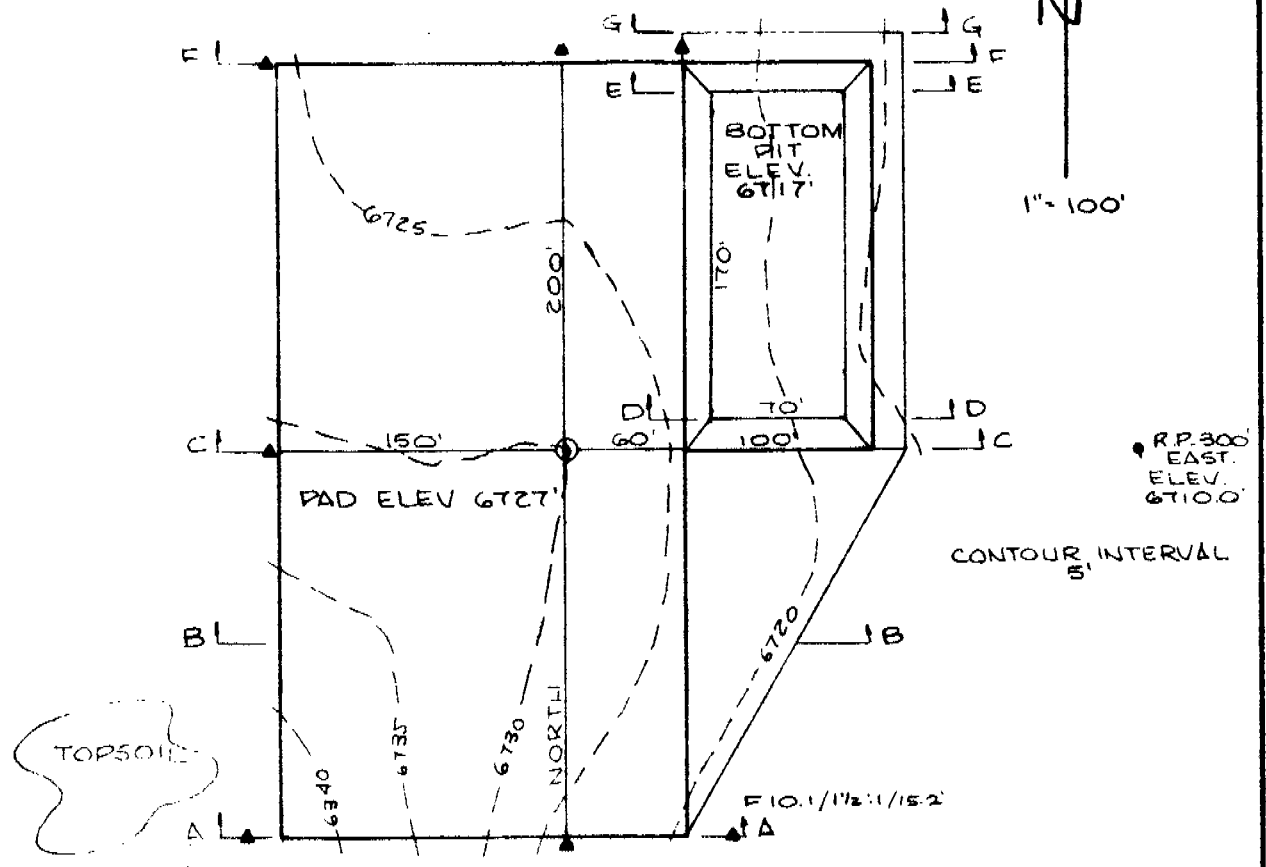
34

& M.

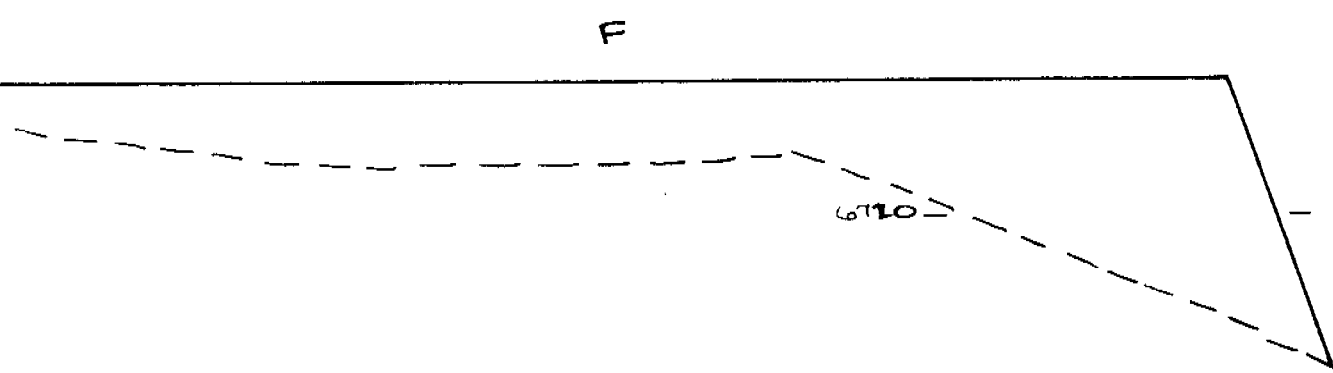
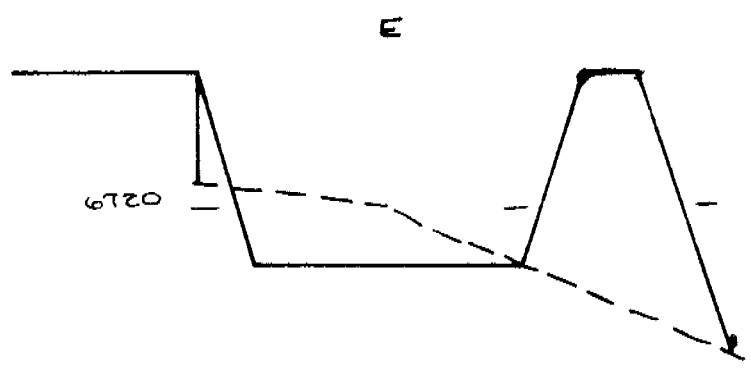
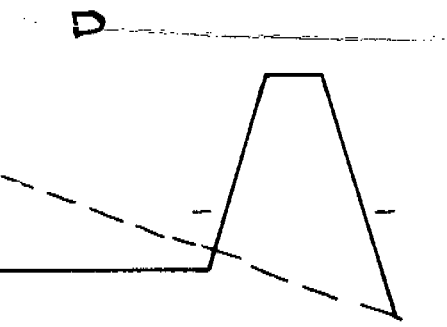
4

ELEV. 6716.1'

R.P. 300' N
ELEV. 6720.2'

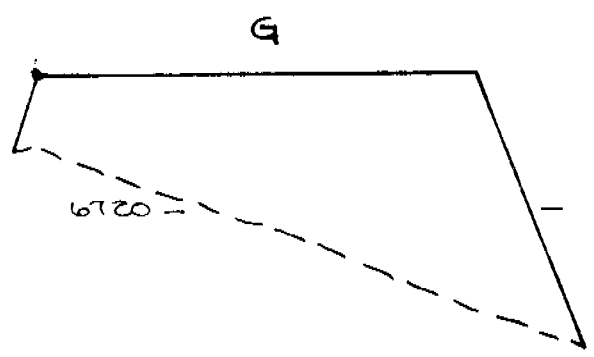


DATUM: U.S.G.S. QUADRANGLE - NEPONSET RESERVOIR NW, UTAH
S.E. COR. SEC. 34, T8N, R6E, ELEV. 6714'



MAP TO ACCOMPANY
APPLICATION FOR PERMIT TO DRILL

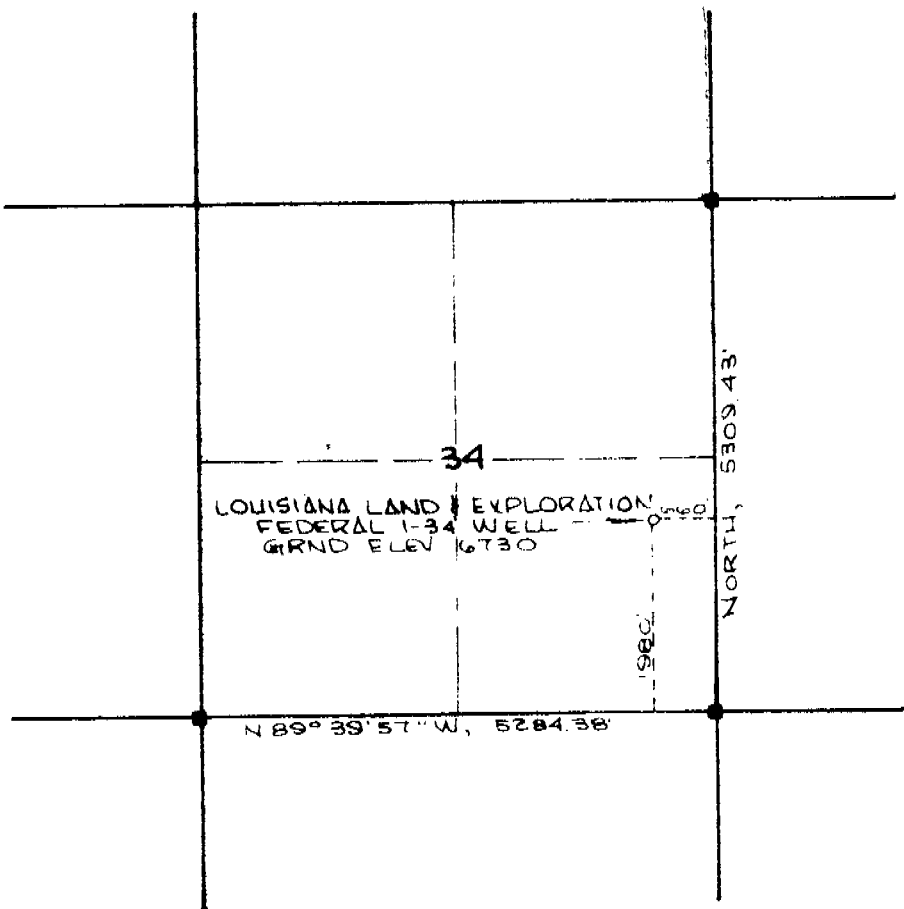
APPLICANT: Amoco Production Co.
P.O. Box 17675
SALT LAKE CITY, UTAH 84117



UINTA ENGINEERING & SURVEYING, INC.
EVANSTON, WYOMING

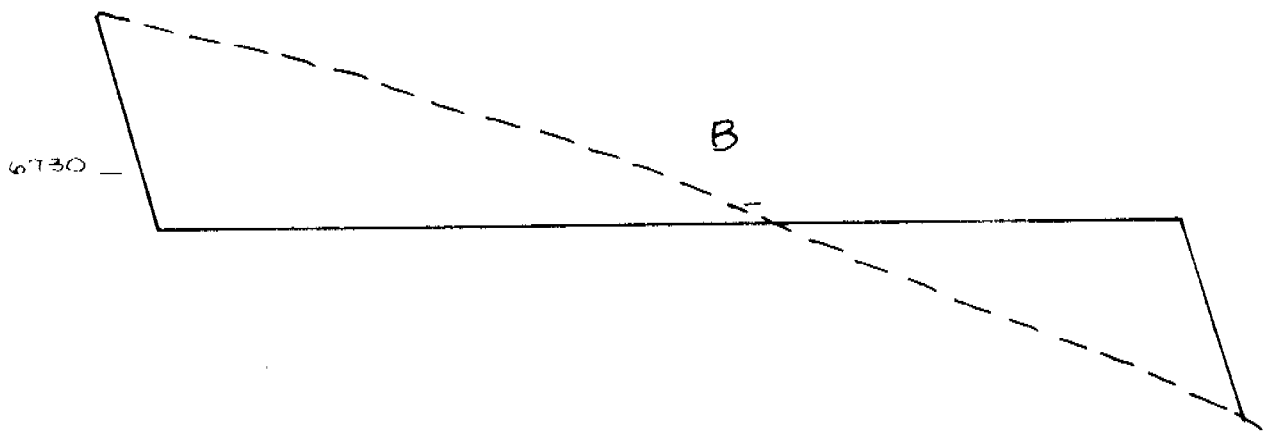
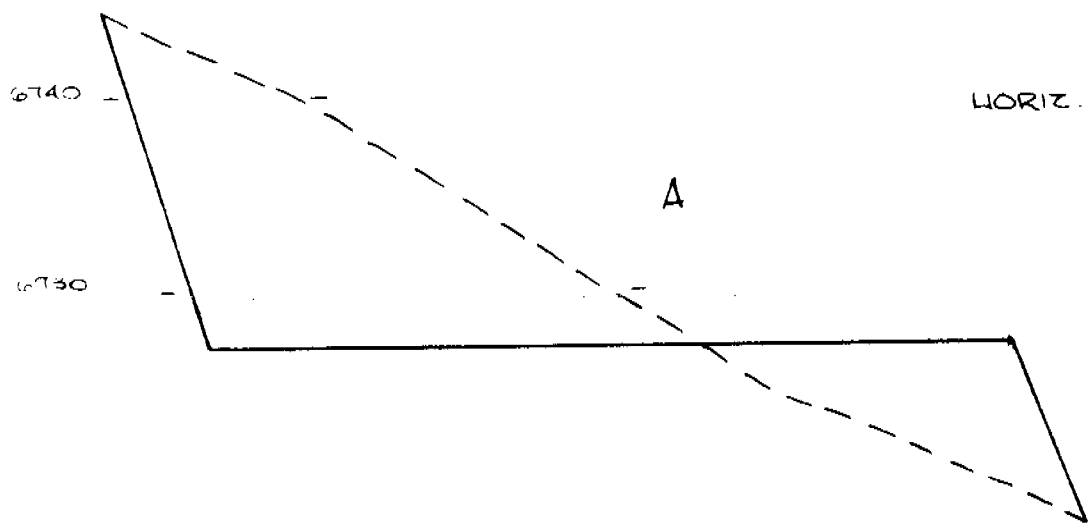
1-12-81
80-10-80

LOUISIANA LAND &
NE 1/4 SE 1/4, SECTION
T8N, R6E, S.L.B.
RICH COUNTY, UTA



- LEGEND
- WELL LOCATION
 - ORIGINAL STONE FOUND
 - ▲ SLOPE STAKE
 - REFERENCE POINT

CUT: 12,362 CU. YDS.
FILL: 11,565 CU. YDS.
SPOIL: BORROW 3,110 CU. YDS.
TOPSOIL: 3,907 CU. YDS.
DIT CAPACITY: 28,139 BARRELS



AUTHORIZED BY: REED SMITH
SURVEY DATES: 12-15-80, 12-30-80, 1-8-81

SURVEYED BY: John A. Proffit 1/4/81
JOHN A. PROFFIT LITAU R.L.S. NO 2860

**** FILE NOTATIONS ****

DATE: Feb 10, 1981
OPERATOR: Amoco Production Company
WELL NO: Louisiana Land & Exp. Federal #1-34
Location: Sec. 34 T. 8N R. 6E County: Rich

File Prepared: ☐

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-033-30030

CHECKED BY:

Petroleum Engineer: M. J. Meider 2-17-81

Director: _____

Administrative Aide: C-3 spacing - ok onundry lines;
ok on any other oil and gas wells.

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site ☐

Lease Designation Sec

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

February 24, 1981

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Louisiana Land & Exploration Federal 1-34
Sec. 34, T. 8N, R. 6E, NE SE
Rich County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-033-30030.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder
Petroleum Engineer

/ko
cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
P.O. Box 17675, Salt Lake City, Utah 84117

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: NE/4 SE/4 Sec. 34, 660' FEL & 1980'
AT TOP PROD. INTERVAL: FSL
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) Revision to Application for Permit to Drill

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please accept this sundry as Amoco Production Company's notice of revision of Attachment "B" to the Application for Permit to Drill. The accompanying attachment shows the new alignment of the access to the subject well and is an addition and revision to the present attachment.

5. LEASE

U-25110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Louisiana Land & Exploration Federal

9. WELL NO.

#1-34

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 34, T8N, R5E

12. COUNTY OR PARISH

Rich

Utah

14. API NO.

43-033-30030

15. ELEVATIONS (SHOW DF, KDB, AND WD)

6730' Top of hub

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____
Original Signed By
G. W. CHAPMAN

TITLE Administrative
Supervisor

DATE 3/12/81

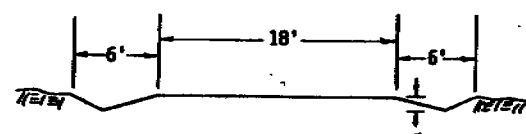
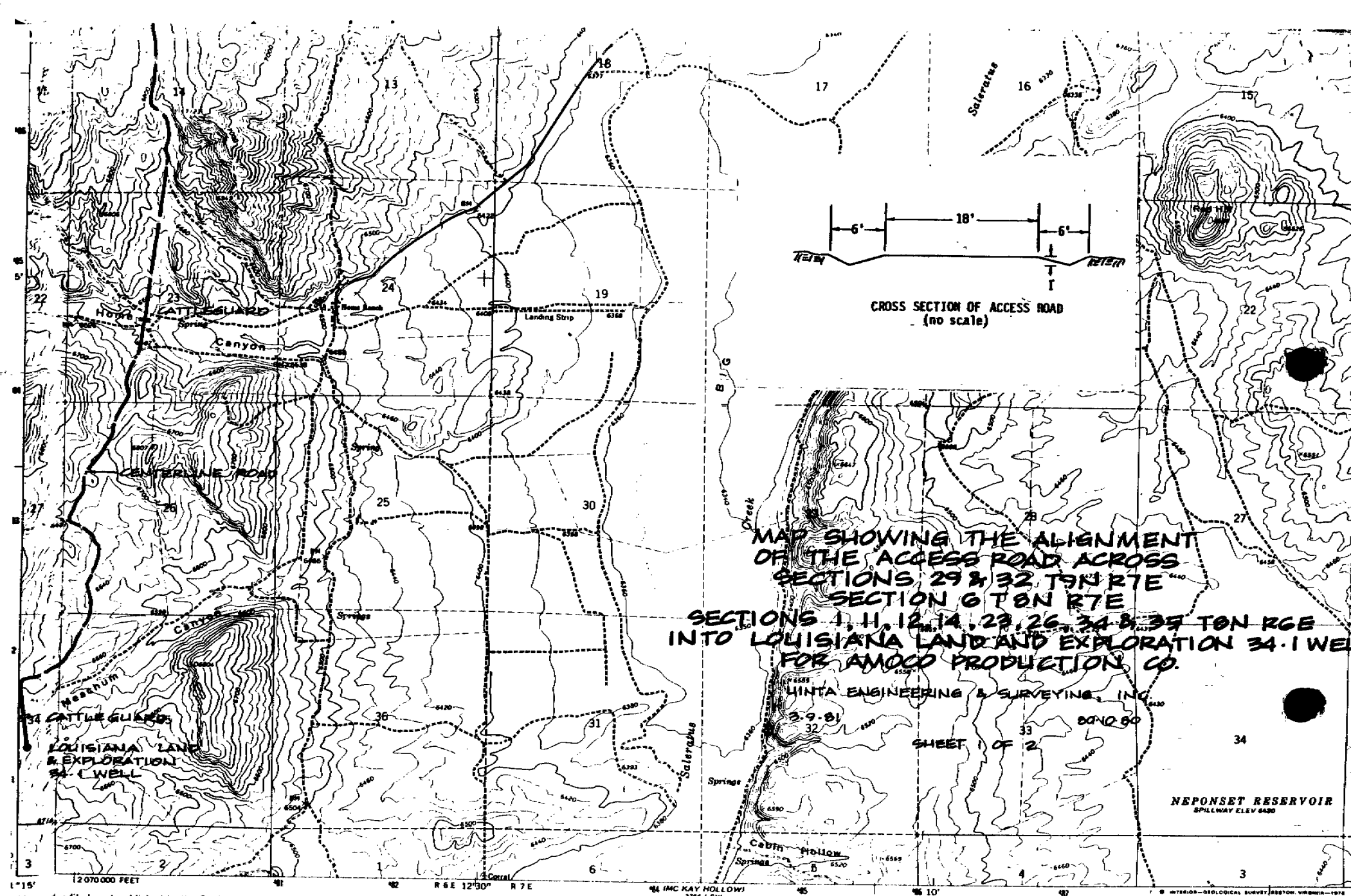
(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:



CROSS SECTION OF ACCESS ROAD
(no scale)

MAP SHOWING THE ALIGNMENT
OF THE ACCESS ROAD ACROSS
SECTIONS 29 & 32 T9N R7E
SECTION 6 T8N R7E
SECTIONS 1, 11, 12, 14, 23, 26, 34 & 35 T8N R6E
INTO LOUISIANA LAND AND EXPLORATION 34-1 WELL
FOR AMOCO PRODUCTION CO.

HINTA ENGINEERING & SURVEYING, INC.

3-9-81

SHEET 1 OF 2

NEPONSET RESERVOIR
SPILLWAY ELEV 6400

WELL # Louisiana Land & Exploration Federal 1-34
Sec. 34, T. 8N, R. 6E, NE SE
Rich County, Utah

Well # Champlin 55-1 Amoco "B" #1
Sec. 33, T. 3N, R. 4E
Summit County, Utah

Well No. State of Utah "S" #1
Sec. 30, T. 3N, R. 7E, NW SW
Summit County, Utah

Well No. Howell Livestock "B" #1
Sec. 6, T. 3N, R. 8E
Summit County, Utah

Well No. Island Ranching "D" #1
Sec 14, T. 4N, R. 7E
Summit County, Utah

Well No. Island Ranching "E" #1
Sec 36, T. 4N, R. 7E
Summit County, Utah

Well No. Champlin 458 Amoco "D" #4
Sec 29, T. 4N, R. 8E
Summit County, Utah

Well No. Champlin 458 "E" WIU # 1
Sec, 31, T. 4N, R. 8E
Summit County, Utah

Well No. Champlin 458 "E" WIU #2
Sec. 31, T. 4N, R. 8E
Summit County, Utah

Well No. Island Ranching "E" #2
Sec. 36, T. 4N, R. 7E
Summit County, Utah

Well No. Champlin 846- Amoco "B" 1
Sec. 19, T. 5N, R. 8E
Summit County, Utah

Well No. M.A. Smith #2
Sec. 16, T. 3S, R. 10W
Wasatch County

Well No. Island Ranching #C 1
Sec. 26, T. 4N, R. 7E
Summit County

Well No. Thousand Peaks Ranching WIU #1
Sec. 32, T. 4N, R. 8E
Summit Cou-nty, Utah

DUPLICATESUBMIT IN TRIPlicate®
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

P.O. Box 17675, Salt Lake City, UT 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NE/4 SE/4 Section 34, 660' FEL & 1980' FSL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 12 miles southwest of Woodruff, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

14,500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DE, RT, GR, etc.)

6730'

Top of Hub

22. APPROX. DATE WORK WILL START*

When approved

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	-	60'	Surface
17½"	13-3/8" K55 ST&C	54.5#	1300'	Circ.
17½"	13-3/8" K55 ST&C	68#	2500'	Circ.
12¼"	9-5/8" SS95LT&C	43.5#	80'	
12¼"	9-5/8" K55 LT&C	40#	4560'	
12¼"	9-5/8" SS95LT&C	40#	7000'	
12¼"	9-5/8" SS95LT&C	43.5#	7800'	
8-3/4"	7" SS95LT&C	32#	80'	
8-3/4"	7" SS95LT&C	26#	2080'	
8-3/4"	7" SS95LT&C	23#	8420'	
8-3/4"	7" SS95LT&C	26#	11,660'	
8-3/4"	7" SS95LT&C	29#	13,960'	
8-3/4"	7" SS95LT&C	32#	14,500'	

* As determined from logs

Subject well will be drilled in accordance with Rule C-3, General Rules & Regulations

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Administrative Supervisor

DATE

1/29/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

FOR E. W. GUINN
DISTRICT ENGINEER

DATE

MAY 07 1981

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

Production Facilities and Flowline NOT Approved

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-/
DATED 1/1/80

Identification No. 315-81

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator AMOCO PRODUCTION COMPANY
Project Type OIL WELL
Project Location NE/4, SE/4 SECTION 34, T8N, R6E
Well No. 1-34 Lease No. U-2511D
Date Project Submitted 2-10-81

FIELD INSPECTION

Date 3-5-81

Field Inspection
Participants

GEORGE DIWACHAK - USGS
DAN WASHINGTON, DEE LEAVITT - BLM
RIED SMITH - AMOCO
CON SEARLE - SEARLE BROS. CONSTRUCTION CO.
BUD TRIPPET - DESERT LAND AND LIVESTOCK

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

5/1/81

Date Prepared

George J. Diwachak
Environmental Scientist

I concur

5/4/81
Date

E. L. [Signature]
District Supervisor

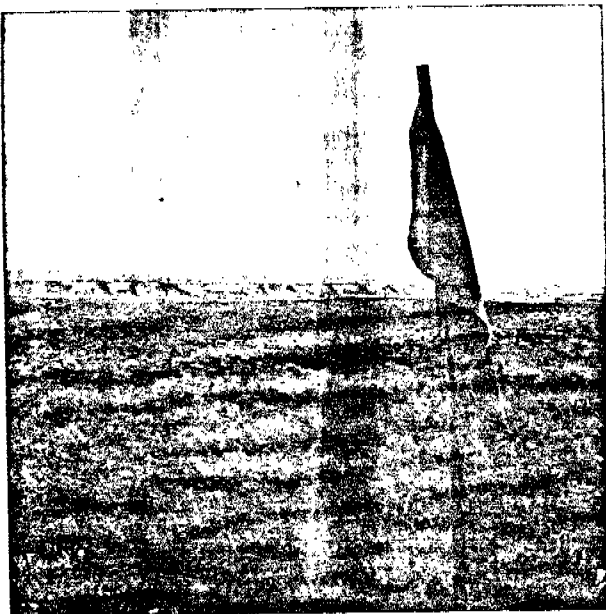
CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							6	6 (3-5-81)	8, 4
2. Unique charac- teristics	1 (4-28-81)	1 (5-1-81)			9	2	6	6	8, 4
3. Environmentally controversial	1				9		6	6	8, 4
4. Uncertain and unknown risks	1				9	2	6	6	8, 4
5. Establishes precedents	1						6	6	8
6. Cumulatively significant	1				9		6	6	4
7. National Register historic places	1				9				4
8. Endangered/ threatened species	1				9				
9. Violate Federal, State, local, tribal law	1						6	6	8, 4

PLEASE REFER TO ATTACHED LEGEND

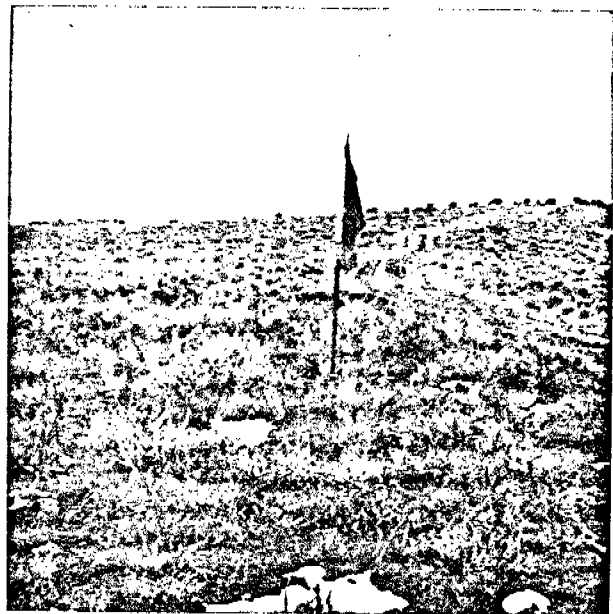
CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input (INCLUDING STAFF REPORT)
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application for Permit to Drill (INCLUDING H₂S CONTINGENCY PLAN AND SUMMARY NOTICE)
5. Operator Correspondence
6. Field Observation (INCLUDING SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION AND H₂S DRILLING CHECKLIST)
7. Private Rehabilitation Agreement
8. RECOMMENDED STIPULATIONS
9. BUREAU OF LAND MANAGEMENT, 1980, DRAFT EAR, OIL AND GAS LEASING, RICH COUNTY UTAH



Amoco 1-34

↑
E



Amoco 1-34

↑
W

RECOMMENDED STIPULATIONS

1. THE FOLLOWING SUPPLEMENTAL EQUIPMENT, MEASURES AND INFORMATION SHALL BE INCORPORATED INTO THE H₂S CONTINGENCY PLAN AND SUBMITTED TO USGS FOR APPROVAL PRIOR TO DRILLING OUT THE SURFACE CASING AT 2500 FEET:
 - A. A LOCATION LAYOUT DIAGRAM MUST BE INCLUDED SHOWING SAFETY BRIEFING AREAS AT LEAST 200 FEET FROM THE WELLHEAD, DIRECTION OF PREVAILING WINDS, WIND SOCK LOCATIONS, AND THE ESCAPE ROUTE (OR FLAGGED TRAIL) LOCATION AS DETERMINED AT THE ONSITE INSPECTION.
 - B. IF A CAMP IS CONSTRUCTED ON LOCATION, THE PLAN MUST REFLECT H₂S RESPIRATORS FOR ALL PERSONNEL. THE TOTAL NUMBER OF PERSONNEL EXPECTED AT ANY ONE TIME SHALL BE NOTED.
 - C. APPROPRIATE WARNING SIGNS AND FLAGS ON ALL ACCESS ROADS TO THE LOCATION SHALL BE NOTED. LOCATIONS OF SIGNS - AND ROAD BLOCKADES SHOULD BE DESIGNATED ON A VICINITY MAP.
 - D. MEASURES FOR NOTIFYING RESIDENTS OF THE DESERT LAND AND LIVESTOCK HOME RANCH OF POTENTIAL H₂S HAZARDS AND CRITICAL OPERATING PERIODS MUST BE INCLUDED IN THE PLAN.

E. A VENTILATION FAN SHALL BE INSTALLED UNDER THE RIG FLOOR

F. SWABBING OR DRILLSTEM TESTING FLUIDS CONTAINING H_2S SHALL BE THROUGH A SEPARATOR TO PERMIT FLARING OF GAS. FLARE SHOULD HAVE A CONTINUOUS PILOT LIGHT TO INSURE IGNITION OF ALL SUCH GAS.

2. THE UPDATED, COMPLETE H_2S CONTINGENCY PLAN SHALL BE IMPLEMENTED INCLUDING THE INSTALLATION OF ALL SAFETY EQUIPMENT WHEN DRILLING HAS REACHED 1000 FT ABOVE OR WITHIN 7 DAYS OF PENETRATING (WHICHEVER IS THE LESSER) THE DINWOODY FORMATION

3 IF H_2S GAS IS DISCOVERED PRIOR TO CONTINGENCY PLAN IMPLEMENTATION, OPERATIONS WILL CEASE UNTIL ALL SAFETY EQUIPMENT AND PLAN PROCEDURES ARE OPERATIONAL

4. ACCESS TO THE WELLSITE SHALL FOLLOW THE ROUTE AS SUBMITTED IN THE SUNDRY NOTICE, DATED 3-12-81. A RIGHT-OF-WAY FROM BLM WILL BE NECESSARY.

5. BORROW DITCHES ALONG THE ACCESS ROAD WILL BE DRAINED WITH DITCH TURNOUTS OR CULVERTS AT LEAST EVERY 500 FEET, AND CLOSER ON STEEP PITCHES

6. THE ACCESS ROAD SURFACE WILL BE GRAVELLED AS NECESSARY TO PROVIDE AN ALL WEATHER ROAD
7. A STATE OF UTAH PERMIT IS NECESSARY FOR DRILLING A WATER WELL ON LOCATION
8. THE BLM REQUESTS WATER WELL RIGHTS WHEN THE LOCATION IS ABANDONED
9. SEWAGE DISPOSAL WILL REQUIRE A RICH COUNTY PERMIT. ALL PERMIT STIPULATIONS SHALL BE ADHERED TO.
10. TRASH BURNING MAY ONLY OCCUR WITH A PROPER STATE PERMIT AND THE REMAINING DEBRIS WILL BE HAULED TO A SANITARY LANDFILL AND NOT BURIED ON LOCATION. THE TRASH BURNING PERMIT MAY BE OBTAINED FROM THE COUNTY SHERIFF
11. LIVING QUARTERS ARE AUTHORIZED ON LOCATION. THE NUMBER OF TRAILERS AND PERSONNEL AS WELL AS TRAILER LOCATIONS SHALL BE INCLUDED IN THE REVISED H2S CONTINGENCY PLAN
12. A DRAINAGE TRENCH WILL BE CONSTRUCTED ON THE UPHILL SIDE OF THE LOCATION TO DIVERT SURFACE RUNOFF AWAY FROM THE SITE
13. A STATE BURN PERMIT FROM PUBLIC HEALTH DIVISION, ^{SOCIAL SERVICES} DEPT. WILL BE NECESSARY TO BURN OIL IN PITS

14. THE RESERVE PIT WILL BE KEYSEATED DURING CONSTRUCTION AND THE DIKES SHALL BE COMPACTED IN LIFTS.

15. THE TOP 12 INCHES OF TOPSOIL SHALL BE STOCKPILED SEPERATELY FROM SPOIL PILES AS INDICATED IN THE APD, UPON COMPLETION OF ACTIVITIES AT THE LOCATION, THE TOPSOIL WILL BE REDISTRIBUTED OVER THE RECONTOURED PAD SITE AND SEEDED WITH THE FOLLOWING seed MIXTURE:

3 lbs/acre	Bluebunch wheatgrass
2 lbs/acre	Intermediate wheatgrass
2 lbs/acre	Indian Rice grass
1 lb/acre	Small burnet
1/2 lb/acre	Service berry
1 lb/acre	Rambler alfalfa (Secale Cereale)
1/2 lb/acre	Cultivated Rye
1/2 lb/acre	BITTERBRUSH

All seed is to BE CERTIFIED AS HAVING a germination of 90% or better. Seeding will be done IN THE Fall (SEPTEMBER 1 - October 30) following site preparation for abandonment. Seeds shall be planted to a depth OF 1/4" to 1/2" and shall be repeated seasonally until a Satisfactory ground cover is obtained as determined by the BLM DISTRICT Manager or his delegate.

16. NO PRODUCTION FACILITIES ARE APPROVED, IF PRODUCTION OCCURS SEPERATE PLANS MUST BE SUBMITTED OUTLINING H₂S SERVICABILITY IF NECESSARY.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Salt Lake District Office
2370 South 2300 West
Salt Lake City, Utah 84119

IN REPLY REFER TO
3000
O&G 1002
U-25110
(U-201)

U.S. Geological Survey
Oil and Gas Section
Attn: Mr. George Diwachak
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84119

APR 28 1981

Dear George:

Enclosed is a staff report and revised operating plan for Amoco Production Company's LL&E Federal #1-34 well site located in T. 8 N., R. 6 E. Section 34, Rich County, Utah.

I concur with approval of the application for permit to drill, and the surface development and operating plan as amended.

Sincerely yours,

for

Jack C. Peterson
Bear River Resource Area Manager

Enclosures

REVISED OPERATING PLAN

Amoco Production Company, LL&E Federal 1-34 (U-25110)

1. No change.

*2. Due to some unforeseen circumstances the original access was abandoned and a new access route is now necessary as indicated in the company's Sundry notice. A right-of-way for this access is being processed by our office.

no strip Necessary.
Maximum grade will be 12% for one pitch of about 400 feet.

Barrow ditches will be drained with ditch turnouts or culverts at least every 500 feet, and closer on the steep pitches.

3. No change.

4. No change.

5. The BLM will file for ~~water~~ well rights when it is abandoned by the company.

6. No change.

7. part (4) ~~Sewage~~ ^{SEWAGE} will be disposed as per county permit stipulations.

part (5) Trash burning may only occur with proper permit and the remaining debris will be hauled to a sanitary land fill.

8. Living quarters will be on location. —

9. A drainage trench will be built on the uphill side of the location to carry surface runoff away from location.

10. part (4) State regulations prohibit burning oil from the pit. — STATE PERMIT —

Topsoil will be considered to the top 12 inches of surface material and this will be stockpiled separately from spoil pile as indicated in the APD. Upon completion of activities at the location, the topsoil will be redistributed over the recontoured pad site and then seeded with the seed mixture below. All seed is to be certified as having a germination of 90% or better. Seeding is to be done in the fall (September 1 - October 30) following site preparation for

(5-1-81)
PER TELECON WITH DAN WASHINGTON, BLM, SLL - ROAD SHALL BE SURFACED WITH GRAVEL AS NECESSARY TO PROVIDE ALL WEATHER ROAD.

abandonment. Seed shall be planted to a depth of 1/4" to 1/2" and shall be repeated seasonally until a satisfactory ground cover is obtained as determined by the District Manager or his delegate. The seed mixture is:

3 lbs/acre	Bluebunch wheatgrass
2 lbs/acre	Intermediate wheatgrass
2 lbs/acre	Indian Rice grass
1 lb/acre	Small burnet
1/2 lb/acre	Service berry
1 lb/acre	Rambler alfalfa (Secale Cereale)
1/2 lb/acre	Cultivated Rye
1/2 lb/acre	Bitterbrush

11. No change.

12. No change.

13. No change.

14. The BLM representative for surface disturbance/reclamation is Dan Washington, Salt Lake District BLM Office (801) 524-5348.

George

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. UA-25110OPERATOR: Amoco Prod.WELL NO. 1-34LOCATION: C NE $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 34, T. 8N., R. 6E., SLMRich County, Utah

1. Stratigraphy:

Knight Cong.	surface
Twin Creek	500'
Nugget	2382
Ankarch	3600'
Thaynes	5000'
Woodside	6940'
Dinwoody	7670'

Phosphoria	8000'
Wells	8600'
Madison	9600'
Three Forks	11,600'
Big Horn	12,100'
Gallatin	13,660'
Crawford Thrust	14,000'

TD 14500'

2. Fresh Water:

Fresh water may occur to 500'.

3. Leasable Minerals:

Gas: Nugget to TD

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards:

Possible H₂S from Dinwoody to TD

6. References and Remarks:

Signature: Gregory W. WoodDate: 2-25-81

STAFF REPORT

An on-site inspection was conducted on Thursday, March 5, 1981, of a proposed drilling location for Amoco Production Company's, LL&E Federal 1-34, located in T. 8 N., R. 6 E., Section 34, Rich County, Utah.

Those present for the inspection were George Diwachak, USGS; Dan Washington and Dee Leavitt, BLM; Ried Smith, Amoco Production Co.; Con Searle, Searle Bros Construction Co.,; Bud Trippet, Deseret Land & Livestock.

The proposed location lies about twelve miles southwest of Woodruff, Utah, in the Bear River drainage. Topography consists mainly of gently rolling hills and valleys in the east foothills of the Wasatch Range with a pad elevation of 6,730 feet above mean sea level. A variety of wildlife frequents the area including mule deer, elk, coyotes, rabbits, ground squirrels, raptors, sage grouse, and other small game and non-game animals. The area is classified as winter range for deer and elk. Sheep and cattle graze the area during late spring, summer, and early fall. The biome is a sagebrush-wheatgrass-forb type on a deep sandy loam type soil. Annual precipitation ranges from 12 to 16 inches with temperature extremes to -50° fahrenheit in the winter to 95° fahrenheit in the summer. There are no records that indicate the presence of any threatened or endangered species, although, raptors present in adjacent areas during the winter months may use the area for hunting. An archeological clearance was conducted by the Archeological-Environmental Research Corporation and their reports indicate that no cultural resources were found in areas to be disturbed by construction of the pad location or access road, however, some existing sites are adjacent to this activity.

Water for drilling purposes will be obtained by drilling a water well on the location as indicated in the A.P.D.

CONTINGENCY PLAN

AMOCO PRODUCTION COMPANY
P.O. Box 17675
Salt Lake City, Utah 84117

ACTION PLAN FOR ACCIDENTAL RELEASE OF H₂S

Louisiana Land & Exploration Federal #1-34
SE/4 Section 34, T8N-R6E
Rich County, Utah

(This Plan is Subject to Updating)

February 5, 1981

I. PURPOSE:

The purpose of this plan is to safeguard the lives of the public, contract personnel, and company personnel in the event of equipment failures or disaster during the drilling of formations which may contain Hydrogen Sulfide Gas (H_2S).

AMOCO PRODUCTION COMPANY has specified materials and practices for the drilling of this well to protect the safety of all concerned. However, as a precautionary measure this contingency and evacuation plan has been prepared to further assist the safety of all concerned.

II. DESCRIPTION OF HYDROGEN SULFIDE GAS:

H_2S is a colorless gas which smells similar to rotten eggs in low concentrations. In large concentrations or over long periods of exposure, the sense of smell may be paralyzed. H_2S is extremely toxic gas that must be treated with extreme care to prevent injury to people. H_2S is heavier than air (specific gravity=1.19) and on still days tends to accumulate in low places. This accumulation could build up and lead to dangerous concentrations. However, if the H_2S gas is warmer than air, it will tend to rise until cooled off and could affect workers above the escaping source.

The toxicity of H_2S is as follows:

Period of Exposure:

Prolonged exposure - no adverse effects	10 PPM
Over 1 hour could be hazardous	150 PPM
Possibly fatal in less than 1/2 hour	300 PPM
Fatal in a few minutes	700 PPM

III. TREATMENT OF HYDROGEN SULFIDE POISONING:

- A. Remove the patient to fresh air, call physician or ambulance if possible.
- B. If breathing is labored or has ceased, give artificial respiration immediately. Continue until physician is available, even if person appears to be not breathing. Should disaster conditions make it impossible to move to fresh air, keep on your mask and use resuscitator on patient.
- C. If giving artificial respiration, and patient is breathing, use resuscitator to help eliminate H_2S from the bloodstream.
- D. Keep patient at rest and prevent chilling.
- E. Get patient to a physician as soon as possible.

IV. EQUIPMENT REQUIREMENTS:

A. General:

All equipment to be exposed to H_2S shall be built to NACE Standard MR-01-75, or Amoco specifications if Amoco specifications are more stringent.

B. Blowout Preventer Requirements:

All BOP body and parts (excluding rams and ram shear blades) shall be constructed of a carbon steel or low alloy steel with an HRC 22 maximum hardness. Rams shall be built out of low alloy steels (i.e., AISI 4130 or like). Shear blades shall be constructed of hard high strength steel to enable the blades to shear the drill pipe in emergency conditions.

The blowout preventer stack will be tested to full working pressure on initial installation and routinely thereafter, not to exceed two weeks. The stack will also be tested any time a seal has been broken, a leak experienced, or a known H_2S bearing formation is to be drilled.

C. Drill String Requirements:

All drill string components shall be to API specifications for tubular goods in controlled environments. Typically, grade E drill pipe will be used. All components will be inspected to IADC critical service specifications prior to running in the well. Corrosion will be monitored by coupons.

D. Choke Lines and Kill Manifold:

Choke lines and kill manifold shall be constructed of ASTM 106 grade B or A-53 grade B.

E. Casing and Wellhead Equipment:

Casing shall be constructed to API requirements for sour gas wells. The casing to be run will be C-75 type 2, L-80 or SS-95.

Wellhead equipment will be constructed to Amoco specifications. From the tubing head up all valves shall have stainless steel balls and seats with monel stems, which complies to a NACE 1 trim. Valve bodies to be made from carbon or low alloy steel with HRC 22 maximum. All welds will be x-rayed and stress relieved.

V. SAFETY AND MONITORING EQUIPMENT:

A. Gas Monitoring Equipment:

1. A continuous H_2S monitoring system with two or more H_2S detection heads will be in operation. One will be sampling from the shale shaker and one sampling from the bell nipple below the rotary table. Both units will be monitored in the mud loggers trailer and/or the dog house. Each unit will be set to trigger a blinking light on the rig floor should the amount of H_2S reach 10 PPM, and to trigger an alarm should the amount of H_2S reach 20 PPM.

Any time it is necessary to deactivate the alarm (if H₂S is continuously present) a trained operator or H₂S Supervisor will monitor the detection system.

2. When approaching or drilling H₂S formations, crew members may attach 8-hour H₂S electronic personnel monitoring equipment to their person as warranted.
3. Hand sampling gas detectors will be used to check areas not covered by automatic monitoring equipment.

B. Safety Equipment

1. The following safety equipment will be available:

Escape packs:

- 1 - 5 minute escape pack on the derrick
- 5 - 5 minute escape packs on floor
- 4 - 5 minute escape packs at various points along mud tanks
- 1 - 30 minute pack in each trailer
(2 in mud logger's trailer)
- 1 - 30 minute pack at bottom of steps
- 1 - 30 minute pack in mud shed
- 1 - 30 minute pack in tool shed

Total: 10 - 30 minute packs
 10 - 5 minute packs

Cascade System:

- 10 - 380 cu. ft. cylinder air supply system
- 2 - 5 outlet manifold on floor (1 each side)
- 2 - 5 outlet manifolds on mud tanks
- 10 - line masks (same as 5-minute packs)
- 1500' low pressure air line hose with quick connects

Other Equipment:

- 4 - wind socks
- 36 unit - first aid kits
- 1 - oxygen powered resuscitator with cylinder
- 1 - flare gun with shells
- 1 - stretcher
- 1 - combustionable gas meter
- 1 - safety belt with safety line

Note: Respirators shall comply with OSHA standards, part 1910.134, Respiratory Protection.

This equipment is available for persons normally on location. This includes the five man crew, toolpusher, Amoco drilling supervisor and mud loggers. Maximum number of people to be on location during normal drilling operations should range from ten to twelve.

2. Two areas on location will be designated as BRIEFING AREAS. The one that is upwind from the wellbore will be designated as the "SAFE BRIEFING AREA". The "SAFE BRIEFING AREA" will be recognized by the positioning of the "SAFETY" trailer in this area.
3. The H₂S "SAFETY" trailer provided by a safety contractor such as SAFETY INTERNATIONAL, INC. will contain the equipment listed in V.B. 1 (above) and will have a wind sock or streamer to indicate wind direction.
4. A second wind sock or streamer will be located at the end of catwalk and visible from the rig floor.
5. A condition warning sign will be displayed on location and at entrance of location regarding current operating condition.
6. The emergency procedure (attached) will be kept on rig floor, contract toolpusher's trailer, Amoco's trailer and in safety trailer.
7. Two barricades will be available to block entrance to location should an emergency occur.
8. An external communication system should be installed in Amoco's trailer, mud logger's unit and on rig floor.
9. An internal communications system should be installed between company trailer house, contract toolpusher's quarters, mud logger's unit, rig floor, shale shaker, mud mixer area and choke manifold.
10. An undulating high and low pitch siren will be installed.

VI. CREW TRAINING AND PROTECTION:

A. Blowout Prevention Drills:

Pit drill and trip drill training will be held with each crew until proficient in closing the well in. Drills will be held on a regular basis thereafter, with at least one drill per crew with the Drilling Supervisor or contract toolpusher triggering the alarm. Reaction time will be checked from the time the alarm goes off until the well is simulated closed in. Closing time should be under two minutes. A copy of AMOCO PRODUCTION COMPANY's Oil and Gas Blowout Drill Procedure will be posted on the rig floor.

B. H₂S Training and Drills:

All personnel shall be instructed and certified for H₂S prior to penetrating 1000' above an expected hydrogen sulfide zone. Training will include: the correct use of the gas masks, wind socks, safety ropes and oxygen resuscitator, instruction on artificial respiration and on the emergency procedure.

H₂S drills will be held periodically. The Amoco representative along with the toolpusher, shall plan and activate drills. They

will activate, without warning, the H₂S alarm and participate in the drill. The crew will proceed to put on a mask and secure well as per posted drilling procedure.

VII. MUD ADDITIVES:

A low solids non-dispersed mud system will be used. At one thousand feet above an expected hydrogen sulfide formation the system will be built up to a concentration of 20 lb/bbl. Ironite Sponge. Previous to this, sufficient Ironite Sponge will be on location to treat the mud if the need arises and the mud maintained at a high pH.

VIII. LOCATION OF RESIDENTS:

See attached listing

IX. WELL TESTING PROCEDURES:

During all drill stem tests and swab tests of formations or zones where H₂S might be encountered, produced gas and liquids will be routed into flare lines. Due to prevailing wind fluctuation and seasonal variations, consideration will be given to the construction of two flare pit locations, each a minimum of 150' from the nearest rig equipment. All flare lines will be equipped with pilot lines hooked to a bottled gas system. All flare lines will be secured to prevent them from whipping should a high volume of gas be blown through them.

All equipment including drill string and tubing string members and tools, surface test units, and miscellaneous related testing equipment shall conform to NACE Standard MR-01-75, or Amoco specifications if Amoco specifications are more stringent.

X. EMERGENCY EVACUATION PLAN:

(See Attachment)

LIST OF RESIDENCES WITHIN

2-MILE RADIUS:

There are no residences within a 2-mile radius of said well.

X. EMERGENCY EVACUATION PLAN

NOTE: This attachment shall be posted on the bulletin board contained in the dog house, with extra copies contained in the contract toolpushers trailer, Amoco trailer and in the safety trailer.

Designation of Responsibility:

In order to assure the proper execution of this plan, it is essential that one person be responsible for, and in complete charge of, implementing these procedures. Therefore, responsibility shall be designated in the following order, depending on who is on location:

1. Amoco Production Company's Representative (Drilling Foreman or Consultant)
2. Contract Toolpusher

Definition of Warning Signs:

Condition: Green - Normal Operations

Condition: Yellow - Potential Danger - Caution

Cause for Condition:

1. Circulating
2. Trip gas after trips
3. Circulating gas out on choke
4. Poison gas present, but below threshold levels

Condition: Red - EXTREME DANGER

Cause for Condition:

1. Uncontrolled well
2. Poison gas present above threshold levels

Emergency Procedures:

Condition Yellow:

1. Check safety equipment and keep it with you
2. Be alert for a change in condition warning sign
3. Follow instructions

Condition Red:

After any accidental release of potentially hazardous volume of hydrogen sulfide gas, this program shall be initiated immediately:

1. Set off alarm. Evacuate all persons off location to "safe briefing area" that is upwind. Check that all persons are present. If not, proceed with evacuation from hazardous area in the following manner:
 - a) Two persons, if available, re-enter hazardous area with air packs and each attached to an assistant via safety line. The assistant shall also be wearing respiratory equipment but outside of the hazardous area.

- b. Locate and evacuate all other persons in hazardous area to safety briefing area.
- c. Proceed with emergency first aid to all injured. Call hospital emergency ward. Alert them of the problem and have them send rescue vehicle immediately.

MEDICAL PERSONNEL AND FACILITIES

SUMMIT COUNTY HOSPITAL, Coalville 801-336-5631

AMBULANCE 911

Air Transport Center

University Hospital

Salt Lake City, Utah 801-662-0050

2. Locate, define problem, and proceed with emergency shut-in procedures per Amoco Production Company Blowout Drill Procedure.
3. Stay in "safe briefing area" unless instructed to do otherwise. Continuously monitor air quality in briefing area.
4. Only enter hazardous area with adequate air supply and attended by someone with a safety rope.
5. Call Company personnel in the following order, until one is contacted. Inform him of the problem and what actions have been taken. It is then his responsibility to contact his supervisor.

<u>NAME</u>	<u>OFFICE TELEPHONE</u>	<u>HOME TELEPHONE</u>
Barney Canson	801-272-9253	801-392-0156
Bill Halvorson	801-272-9253	801-943-2243
V.J. Sheppard	801-272-9253	801-942-5011
Wayne Todd	801-272-9253	801-272-4706
Scott Trushenski	801-272-9253	801-942-0577
Martin Zimmerman	801-272-9253	801-942-5080

6. Notify the appropriate agencies and law officers that an emergency situation exists and help is needed.

LAW ENFORCEMENT AGENCIES

SHERIFF DEPARTMENT, Rich County (Randolph) 911
801-793-3775

HIGHWAY PATROL, Emergency Assistance 801-533-5638

UTAH STATE & FEDERAL AGENCIES

Oil, Gas, and Mining Division
1588 West North Temple
Salt Lake City, Utah 801-533-5771

Bureau of Land Management
University Club Building
Salt Lake City, Utah 801-524-4227

United States Geologic Survey
1745 West 1700 South
Salt Lake City, Utah 801-524-4590

Fire Department, Randolph 801-793-5855
911

UTAH ENVIRONMENTAL PROTECTION AGENCY

Utah Environmental Health Services
Air Pollution
150 West North Temple
Salt Lake City, Utah 801-533-6108

7. The State Police shall contact residents in the two (2) mile danger zone, and start evacuation with those in the down wind direction of the rig.

8. In the event that a blowout should occur, the decision regarding ignition of the escaping gas will be made by the Amoco representative on location after consultation, if possible, with the appropriate supervisor or management personnel listed previously. However, if the seriousness of the situation does not allow time for consultation, the Amoco representative on location has the authority to make the decision to ignite as a last resort where it is clear that human life and property are in jeopardy and/or the chance of controlling the well under the prevailing conditions are very remote.
9. Meet with appropriate agencies and law officers as soon as practical to brief them on the situation and coordinate evacuation efforts.



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

588 West 800 South Bountiful, Utah 84010
Tel: (801) 292-7061 or 292-9668

January 7, 1981

Subject: Archeological Evaluation of Proposed Well
Location in the Mechem Canyon Locality of Rich
County, Utah

Project: Amoco Production Company, 1981 Drilling Program

Project No.: AMP-80-4

Permit: U.S. Dept. of Interior, 80-Ut-069

To: Ms. Sheree Wilcox, Amoco Production Company,
P.O. Box 17675, Salt Lake City, Utah 84117

Mr. Charles Cartwright, District Archeologist,
Salt Lake District, Bureau of Land Management,
2370 South 2300 West, Salt Lake City, Utah
84119

Mr. E. W. Gynn, Office of District Engineer,
U.S. Geological Survey, Oil and Gas Operations,
Conservation Division, 2000 Administration Bldg.,
1745 West 1700 South, Salt Lake City, Utah 84104

Info: Mr. Richard Fike, BLM Archeologist, Bureau of
Land Management, University Club Bldg., 136 East
South Temple, Salt Lake City, Utah 84111

Mr. Jack C. Peterson, Bear River Resource Area
Manager, Bureau of Land Management, 2370 South
2300 West, Salt Lake City, Utah 84119

BLM Report No. []-[]-[][]-[][]-10
Report Acceptable Yes ___ No ___
Mitigation Acceptable Yes ___ No ___
Comments:

Report Title 1 DRILL PAD - MEACHUM CANYON LOCALITY 40

Development Company Amoco Production Company (Louisiana Land and Exploration Fed. 1-34)

Report Date 1 7 19 81 4. Antiquities Permit No. 80-Ut-069

41 42 MONTH 43 YEAR 46
Responsible Institution A E R C (AMP-80-4) County Rich

47 61
Fieldwork Location: TWN 8 N Range 6 E Section(s) 24, 25, 26, 34, 35.

62 65 66 69 70 71 72 73 74 75 76 77

TWN Range Section(s)

78 81 82 85 86 87 88 89 90 91 92 93

Resource Area B R TWN Range Section(s)

110 111 94 97 98 101 102 103 104 105 106 107 108 109

PO = PONY EXPRESS, BR = BEAR RIVER, PR = PRICE RIVER, WS = WARM SPRINGS
BC = BOOK CLIFFS, HR = HOUSE RANGE, SE = SEVIER RIVER
HM = HENRY MOUNTAINS, BE = BEAVER RIVER, DX = DIXIE
KA = KANAB, ES = ESCALANTE, SJ = SAN JUAN, GR = GRAND
SR = SAN RAFAEL, DM = DIAMOND MOUNTAIN.

Fill in spaces 65, 69, 81, 85, 97, 101 Only if
V = Vernal Meridian
H = Half Township

Description of Examination Procedures: A 600' x 600' square area, centering on the drill location stake, was examined by the archeologist, V. Garth Norman, walking parallel transects not more than 15 meters apart. A 30-meter wide corridor for the access road was examined by walking a zigzag pattern centering on the flagged route (see map).

Linear Miles Surveyed and/or 21.5 112 117

Definable Acres Surveyed _____
and/or 118 _____ 123

* Legally Undefinable Acres
Surveyed 15

(*A parcel hard to cadastrally locate i.e., center of section)

10. Inventory Type R
130

R= Reconnaissance
I= Intensive
S= Statistical Sample

12. Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 0
No sites = 0 131 135

No cultural resource sites were observed during the survey. Five previously recorded sites in the general project locality will not be affected directly by this project (see map for locations). The five previously recorded sites and the type of each site are listed on the reverse of this report.

13, Collection: N Y=Yes, N=No
136

. Actual/Potential National Register Properties Affected:

The National Register of Historic Places has been consulted and no National Register Properties will be affected by this project.

. Conclusion/Recommendations:

AERC recommends that a cultural resource clearance for this project be granted to

Amoco Production Company

based on adherence to the following stipulations:

(see reverse)

Signature and Title of Institutional Officer Responsible F. R. Hauck, Ph.D.
President - AERC

Conclusion/Recommendations (cont'd.)

1. All vehicular traffic, personnel movement, and construction to be confined to the locations examined and to access roads leading into these locations.

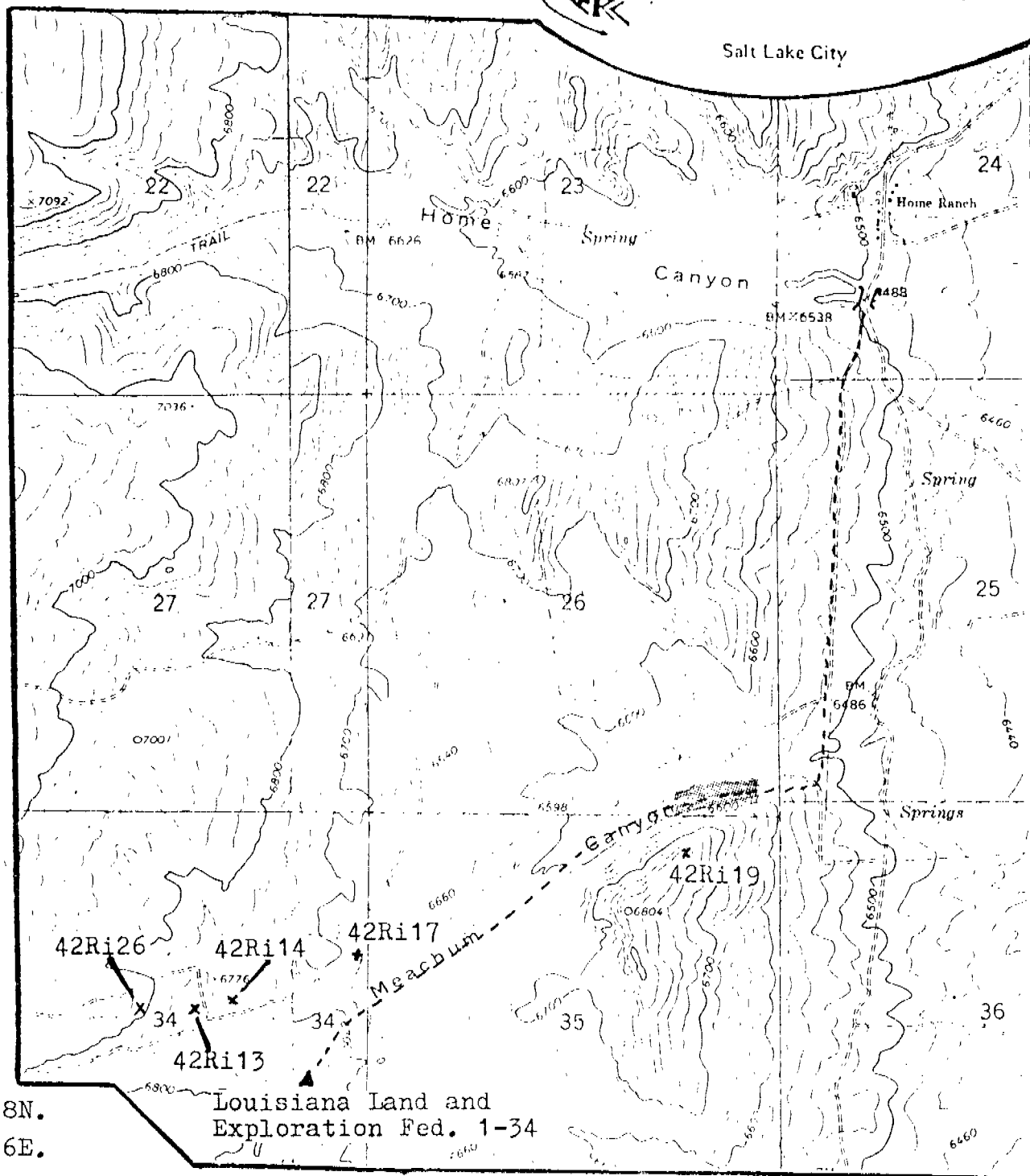
2. All personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area.

3. A qualified archeologist be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area.

4. An area approximately 1,000 feet long on the north base of the hill in the mouth of Mechum Canyon is 50-80% snow covered (see map). AERC recommends that this snow covered area be monitored during the access road construction by a qualified archeologist during a minimal surface clearance dozing operation. The area is characterized by unstable alluvial deposits so is of minimal site potential significance. Its proximity to site 42Ri19 gives added reason for exerting caution to insure that no cultural resource site(s) exist in this area that might be impacted during construction operations.

Description of Findings (cont'd.)

<u>Site No.</u>	<u>Site Type</u>
42Ri13	Small lithic scatter
42Ri14	Rockshelter, completely vandalized
42Ri17	Large lithic scatter
42Ri19	Small lithic scatter with historic sheep camp component
42Ri26	Small lithic scatter



I. 8N.
R. 6E.

Meridian: Salt Lake B. & M.

Quad:

Project: AMP-80-4

Series: NE Utah

Date: 1-5-81

DRILL LOCATION
IN THE
MECHUM CANYON LOCALITY
OF
RICH COUNTY, UTAH

Neponset
Reservoir NW,
Utah
7.5 Minute USGS

Legend:

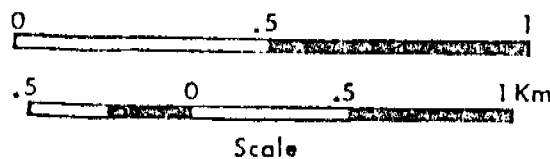
Drill Location

Access Route

50-80% Snow Cover

Previously Recorded
Archeological Sites

x



December 15, 1981

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84078

Re: See Attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING



CARI FURSE
CLERK TYPIST

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-25110	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL & 660' FEL NE/4 SE/4		8. FARM OR LEASE NAME Louisiana Land & Exploration	
14. PERMIT NO. 43-033-30030		9. WELL NO. Federal #1-34	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6730' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 34, T8N, R6E	
		12. COUNTY OR PARISH Rich	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

REPORT OF OPERATIONS

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company advises that the following work has been performed on the subject well:

SPUD DATE: 6-21-81
Drilling Contractor: Anderson-Myers, Rig #17Casing: 13 3/8" casing set at 2315'
9 5/8" casing set at 9056'

Current Status: Logging at 15,283', PBTD: 9039' (Subthrust)

18. I hereby certify that the foregoing is true and correct

SIGNED

Raymond C. Dupont

TITLE

Administrative Supervisor

DATE

1-15-82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
JAN 22 1982
DIVISION OF OIL, GAS & MINING

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Amoco Production Co. Representative Ken Klinker - 264-2241

Well No. L L & E 1-34 Location NE 1/4 SE 1/4 Section 34 Township 8 N Range 6 E

County Rich Field Wilcat State Utah

Unit Name and
Required Depth _____ Base of fresh water sands _____

T.D. 15,411' Size hole and Fill per sack _____ " _____ Mud Weight and Top _____ #/gal. _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
13 3/8"	2315'			15,003'	14,800'	100
9 5/8"	9056'			13,900'	13,700'	100
Formation	Top	Base	Shows	11,050'	10,850'	100
Nuggett	3042'			10,025'	9,825'	100
Ankareh	4372'			9,300'	8,900'	200
Thaynes	5786'			Conducted perforating & testing of Thayne interval.		
Woodside	8037'			Will free-point casing and pull from approx. 5850'		
Dinwoody	8996'					
Phosphoria	9262'			@ casing stub		100 Sas
Weber	10,002'					
Madison	11,035'			2400'	2200	100
Darby	13,853'					
Big Horn	14,465'			Surface w/marker		10
Absaroka Sub. Thrust	14,991'					

REMARKS

DST's, lost circulation zones, water zones, etc., Spudded 6-21-82; Anderson-Myers Rig #17.

Drilled to TD & logging. Plugged well to 8900'. Conducted testing inside 9 5/8"

casing unsuccessful. Propose to shoot & pull 9 5/8" casing and complete plugging.

Plugging program approved by E. W. Guynn, Minerals Management Service.

Approved by R. J. Firth Date 4-30-82 Time _____ a.m.
p.m.

Location: 12 Miles SW Woodruff, Utah.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 20, 1982

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: See attached

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

Well No. Louisiana Land & Exploration Fed. #1-34
Sec. 34, T. 8N, R. 6E.
Rich County, Utah
(February- April 1982)

Well No. State of Utah "S" #1
Sec. 30, T. 3N, R. 7E.
Summit County, Utah
(February - April 1982)

Well No. Champlin 458 "E" WIU #1
Sec. 31, T. 4N, R. 8E.
Summit County, Utah
(February- April 1982)

Well No. Champlin 458 "E" WIU #2
Sec. 31, T. 4N, R. 8E.
Summit County, Utah
(February- April 1982)

Well No. Thousand Peaks Ranches WIU #1
Sec. 32, T. 4N, R. 8E.
Summit County, Utah
(February - April 1982)

Well No. M. A. Smith #2
Sec. 16, T. 3S, R. 10W.
Wasatch County, Utah
(February- April 1982)

SUNDRY NOTICES AND REPORTS ON WELLS

1. oil well ☐ gas well ☐ other ☐ P & A ☐

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
P.O. Box 17675 Salt Lake City, UT 84117

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FSL & 660' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>
(other)	<input type="checkbox"/>

SUBSEQUENT REPORTING

RECEIVED
JUN 15 1966

JUN 15 1982

DIVISION OF OIL, GAS & MINING

82 (NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company herewith advises that the subject well was plugged & abandoned on May 5, 1982 in the following manner:

TD: 15,411'
Casing: 13 3/8" SA 2315'
 9 5/8" SA 9056'

Plugs: 15,003' - 14,800'
13,900' - 13,700'
11,050' - 10,850'
9,300' - 8,900'
PB at 7070' Ret. meas. 7022'
Set. ret. 6800' sqz. w/200 sx below
Cut & salvage 9 5/8" from freepoint
5500' - set 200' plug on stub
2200' - 2400'

(See Attachment "A")

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

18. Thereby Certifying that the foregoing is true and correct

Original Signed By _____ **Administrative** _____

SIGNED K. W. DEWEY TITLE Supervisor DATE June 9, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

Subsequent Report of Abandonment (con't)

Formation Tops:

Twin Creek	500'
Nugget	2382'
Ankareh	3100'
Thaynes	5000'
Dinwoody	8935'
Phosphoria	9262'
Weber	10,002'
Madison	11,035'
Darby	13,853'
Big Horn	14,465'
Subthrust	14,991'

Perforation Record:

7914' - 7935'

7920' - 7921'

CIBP SA 7760'

7650' - 7740'

7630' - 7631'

7472' - 7560'

7050' - 7052'

PBTD: 7022'

6876' - 7000'

6916' - 6956'

6878' - 6902'

6860' - 6872'

6820' - 6822'

RTTS PKR SET AT 6790'

Verbal approval to Ken Klinker from Ed Gynn on April 26, 1982

Verbal approval to Ken Klinker from Ron Firth, DOGM, on April 30, 1982



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 21, 1983

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: See attached list of wells

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure

Well No. Louisiana Land & Explor.
Federal # 1-34
Sec. 34, T. 8N, R. 6E.
Rich County, Utah

Well No. Champlin 464 Amoco "B" # 1
Sec. 23, T. 1N, R. 5E.
Summit County, Utah

Well No. Champlin 551 Amoco "B" # 1
Sec. 33, T. 3N, R. 4E.
Summit County, Utah

Well No. Anschutz Ranch East Unit # W32-04
Sec. 32, T. 4N, R. 8E.
Summit County, Utah



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 6, 1983

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

2nd NOTICE

Re: Well No. Louisiana Land & Explor-
ation Federal # 1-34
Sec. 34, T. 8N, R. 6E.
Rich County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

****You are in violation with the above rule. If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to the above matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.**

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R356.5.

4 79

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other <u>PaA</u>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESER. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Amoco Production Company						5. LEASE DESIGNATION AND SERIAL NO. U-25110	
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah						6. IF INDIAN, ALLOTTEE OR TRIBAL NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL & 660' FEL At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME	
14. PERMIT NO. 43-033-30030						15. DATE ISSUED 05-07-81	
16. DATE SPUDDED 06-21-81						17. DATE T.D. REACHED 01-19-82	
18. DATE COMPL. (Ready to prod.) P & A'd 05-05-82						19. ELEVATIONS (DF, REB, RT, OR, ETC.)* 6730' GL, 6752' KB	
20. TOTAL DEPTH, MD & TVD 15,411 MD						21. PLUG, BACK T.D., MD & TVD 9040' MD	
22. IF MULTIPLE COMPL., HOW MANY*						23. INTERVALS DRILLED BY surf to 15,411'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None						25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Micro & Dual Laterolog, Compensated Neutron Formation Density, BHC Sonic						27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13 3/8"		68.54.5		2315'			
9 5/8"		43.5#		9056'			
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
NA							
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
3 1/2"				Test String			
31. PERFORATION RECORD (Interval, size and number) See Attachment							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
See Attachment							
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) P & A	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
						GAS—MCF.	
						WATER—BBL.	
						OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Attachment A							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>L. L. Smith</u>				TITLE Staff Administrative Analyst (SG)			
				DATE			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval some (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Dinwoody	8,935	
				Phosphoria	9,262	
				Weber	10,002	
				Madison	11,035	
				Darby	13,853	
				Subthrust	14,991	
				Twin Creek	500	
				Nugget	2,382	
				Ankareh	3,100	
				Thaynes	5,000	